

Substitute for form 1449A/PTO

**INFORMATION  
DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number 09/624,820

Filing Date July 25, 2000

First Named Inventor Michael Francis Dube

Group Art Unit 1731

Examiner Name

Attorney Docket Number JJ-124B

Sheet 3 of 5

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**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>5</sup>	U.S. Patent Document Number	Kind Code <sup>6</sup> (if known)	Name of Patentee or Applicant Of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear
DAW	48	5,131,415		Munoz et al.	07-21-92	
	49	5,159,942		Brinkley et al.	11-03-92	
	50	5,234,008		Fagg	08-10-93	
	51	5,235,992		Sensabaugh, Jr.	08-17-93	
	52	5,284,166		Cartwright et al.	02-08-94	
	53	5,318,050		Gonzalez-Parra et al.	06-07-94	
	54	5,339,838		Young et al.	08-23-94	
	55	5,413,122		Shu et al.	05-09-95	
	56	5,598,868		Jakob et al.	02-04-97	
	57	6,048,404		White	04-11-00	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No.	Foreign Patent Document Office <sup>7</sup>	Number <sup>8</sup>	Kind Code <sup>9</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear	T <sup>10</sup>
DAW	58	DE	1 517 280		General Cigar Co Inc.; Dr.-Ing. H. Negendank	09-11-69		A
	59	GB	572,236		American Machine & Foundry Co.	9-28-45		
	60	GB	1,383,029		H.F. & Ph.F. Reemtsma	2-5-75		
	61	GB	2 239 654	A	Brown & Williamson Tobacco Corp.	7-10-91		
	62	FR	2 767 649	A1	Saint Val Anita et Raimondo Gerard	03-05-99		A
	63	JP	57-71388		Sanei Chemical Industries, Ltd.	05-04-82		T
	64	JP	61-15675	A2	Takaya et al.	01-23-86		A

Examiner Signature Simon A. Wells Date Considered 10-19-01

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<sup>5</sup> Unique citation designation number.

<sup>6</sup> See attached Kinds of U.S. Patent Documents.

<sup>7</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

<sup>8</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>9</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

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Group Art Unit

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Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document Number	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant Of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear
SAW	1	Re. 32,095		Wu et al.	03-25-86	CLASS SUBCLASS
	2	3,316,919		Green et al.	05-02-67	RECEIVED
	3	3,424,171		Rooker	01-28-69	OCT 25 2000
	4	3,478,015		Onishi et al.	11-11-69	GROUP 1700
	5	3,722,516		Suwa et al.	03-27-73	
	6	3,760,815		Deszyck	09-25-73	
	7	3,920,026		Warfield et al.	11-18-75	
	8*	3,929,141		Beringer et al.	12-30-75	
	9	3,828,798		Harper et al.	08-13-74	
	10	3,934,594		Beringer et al.	01-27-76	
	11	4,040,431		Ashworth et al.	08-09-77	
	12	4,079,742		Rainer et al.	03-21-78	
	13	4,150,677		Osborne, Jr. et al.	04-24-79	
	14	4,184,495		Rainer et al.	01-22-80	
	15	4,286,606		Swain et al.	09-01-81	
	16	4,306,577		Wu et al.	12-22-81	
	17	4,407,307		Gaisch et al.	10-04-83	
	18	4,421,126		Gellatly	12-20-83	
	19	4,481,956		Chan	11-13-84	
	20	4,506,682		Muller	03-26-85	
	21	4,516,590		Teng	05-14-85	
	22	4,537,204		Gaisch et al.	08-27-85	
	23	4,538,627		Chan et al.	09-03-85	
	24	4,566,468		Sachleben et al.	01-28-86	
Examiner Signature	Dionne A. Hanks				Date Considered	10-19-01

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**CERTIFICATE OF MAILING**

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<sup>2</sup> See attached Kinds of U.S. Patent Documents.

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**U. S. PATENT DOCUMENTS**

GROUP 1700

U. S. PATENT DOCUMENTS								GROUP	
Examiner Initials*	Cite No. <sup>3</sup>	U.S. Patent Document		Kind Code <sup>4</sup> (if known)	Name of Patentee or Applicant Of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear		
		Number					CLASS	CLASS	
JAW	25	4,596,259			White et al.	06-24-86			
	26	4,605,016			Soga et al.	08-12-86			
	27	4,607,646			Lilly, Jr. et al.	08-26-86			
	28	4,628,947			Driscoll et al.	12-16-86			
	29	4,638,816			Cox et al.	01-27-87			
	30	4,674,519			Keritsis et al.	06-23-87			
	31	4,677,994			Denier et al.	07-07-87			
	32	4,701,282			Chan et al.	10-20-87			
	33	4,715,388			Rainer	12-29-87			
	34	4,744,375			Denier et al.	05-17-88			
	35	4,760,854			Jewell et al.	08-02-88			
	36	4,827,949			Sunas	05-09-89			
	37	4,941,484			Clapp et al.	07-17-90			
	38	4,986,286			Roberts et al.	01-22-91			
	39	5,016,654			Bernasek et al.	05-21-91			
	40	5,018,540			Grubbs et al.	05-28-91			
	41	5,038,802			White et al.	08-13-91			
	42	5,060,663			Rainer	10-29-91			
	43	5,060,669			White et al.	10-29-91			
	44	5,065,775			Fagg	11-19-91			
	45	5,074,319			White et al.	12-24-91			
	46	5,099,862			White et al.	03-31-92			
	47	5,121,757			White et al.	06-16-92			
	Examiner Signature	Dionne A. Wolk					Date Considered	10-19-01	

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<sup>4</sup> See attached Kinds of U.S. Patent Documents.

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		Office <sup>11</sup>	Number <sup>12</sup>	Kind Code (if known)			Whole Document	Figures or Relevant Figures Appear	
DAW	65	EP	0 110 693	A1	Philip Morris Inc.	06-13-84	—	—	
	66	EP	0 517 407	A2	R. J. Reynolds Tobacco Co.	12-09-92	—	—	
	67	EP	0 821 886	A2	R. J. Reynolds Tobacco Co.	02-04-98	—	—	
	68	PCT	WO 97/04673	A1	Brown & Williamson Tobacco Corp.	02-13-97	—	—	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
DAW	69	Factors Affecting the Formation of Pyrazine Compounds in Sugar-Amine Reactions, P. E. Koehler et al., J. Agr. Food Chem., Vol. 18, No. 5, 1970, pp. 895-898	
	70	Formation of Pyrazine Compounds in Sugar-Amino Acid Model Systems, P. E. Koehler et al., J. Agr. Food Chem., Vol. 17, No. 2, Mar.-Apr. 1969, pp. 393-396	
	71	Mutarotation, Hydrolysis, and Rearrangement Reactions of Glycosylamines, H. S. Isbell et al., The Journal of Organic Chemistry, Vol. 23, No. 8, 1958, pp. 1309-1319	
	72	Parameter Effects on the Thermal Reaction of Cystine and 2,5-Dimethyl-4-hydroxy-3(2H)-Furanone, C. Shu et al., Chap. 21, Thermal Generation of Aromas, 1989 American Chemical Society, pp. 229-241	
	73	Pyrazine Formation From Serine and Threonine, C. Shu, J. Agric. Food Chem., Vol. 4A, No. 10, 1999, pp. 4332-4335	
	74	Studies on the Aroma of Roasted Coffee, W. Grosch et al., Thermally Generated Flavour, Flavour Science: Recent Developments, pp. 200-205	
	75	The Design of Cigarettes, C. L. Browne, 1979, pp. 17-24, 56	
	76	The Reaction of Glucose with Some Amines, E. Mitts et al., Journal of the American Chemical Society, Vol. 66, No. 2, 1944, pp. 483-487	
	77	The Variety of Odors Produced in Maillard Model Systems and How They Are Influenced by Reaction Conditions, M. J. Lane et al., Maillard Reactions, 1983 American Chemical Society, pp. 141-158	
Examiner Signature	Dion A. Walls		Date Considered 10-19-01

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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of book (when appropriate), (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
LAW ↓ ↓ ↓	78	Caramel, Properties and Analysis, Encyclopaedia of Food Science Food Technology and Nutrition, pp. 655-664
	79	Analysis of Aromatic Caramel, I. Pons et al., Food Chemistry 39 (1991) pp. 311-320
	80	Formation of Furanol in Heat-Processed Foods, P. Schieberle, Flavor Precursors Thermal and Enzymatic Conversions, 1992 American Chemical Society, Chapter 12, pp. 164-174
	81	GC and Sensory Techniques Coupled in Caramel Flavor Analysis, I. Pons, Perfumer & Flavorist, Vol. 20, March/April 1995, pp. 15-18
Examiner Signature	Dianne A. Wolk	
Date Considered	10-19-01	

GROUP 1700

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